

Yorkshire Dales National Park

Forecast valid from 06:00 on Sunday 10 Dec 2023 until 23:59 on Monday 11 Dec 2023

Forecast Issued on Sunday 10 Dec 2023 at 03:53

Confidence: High for the unsettled theme, but low for wind and rain detail. Monday provisionally brightest.

Headline for Sunday 10 Dec 2023: Fine at first, but rain setting in for much of the day.

Mountain weather hazards on Sunday 10 Dec 2023

Blizzards

No Likelihood

Gales

No Likelihood

Thunderstorms

Low Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

Low Likelihood

Heavy persistent rain

Medium Likelihood

Storm force winds

No Likelihood

Poor visibility

Medium Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Partly cloudy (night)	Cloudy	Heavy Rain	Light rain	Heavy rain showers (night)	Heavy Rain
Precipitation probability					
10%	20%	90%	60%	40%	60%

Forecast for Sunday 10 Dec 2023

Weather: Best chance of seeing limited drier and brighter conditions early morning on an otherwise cloudy day of rain which turns heavy at times, particularly through lunchtime. Perhaps brightening again late on, but with a developing risk of showers that should give way to more general heavy rain again during the evening.

Chance of cloud-free hill tops above 600m: 60% early morning, otherwise 10-20%

Low Cloud and visibility: Good, becoming moderate or poor in rain, very poor within cloud with bases generally extensive from 500m from mid-morning.

Forecast for Sunday 10 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	19/27 W	10/13 S	14/20 SE	19/26 S	18/26 SW	11/16 S	7/11 E
300	7/22 W	3/10 S	10/21 SE	9/22 S	11/25 SW	5/14 S	7/14 NE
Valley	1/14 SW	1/10 SE	7/18 SE	10/25 SW	5/18 SW	4/14 SE	6/14 NE

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	3/-2	3/-0	3/-2	4/-1	4/-0	4/-0	3/0
300	5/2	5/4	5/1	6/3	6/3	5/4	5/3
Valley	4/3	5/4	6/4	8/5	7/5	7/5	7/5
Freezing Level*	900m	1000m	1000m	1400m	1300m	1300m	1300m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Difficult conditions for much of the day with hill fog quite extensive from late morning.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Sun 10 Dec 2023	34mm	39.8mm	64.4mm

Forecast for Monday 11 Dec 2023

Weather: Brighter spells and only a few light showers by day, but chance of some rain for a time early morning also moving into the evening, with some heavier outbreaks developing into the night.

Maximum wind: Variable 15mph or less

Chance of cloud-free hill tops above 600m: 85% by day

Low Cloud and visibility: Generally good, becoming moderate or poor in rain or showers, very poor within cloud infrequently lowering to 600m.

Temperature: **Valleys:** Zero Celsius increasing 9 Celsius for the afternoon
At 600m: Plus 3 Celsius
Freezing level: Above summits